

December 7, 2007

Via U.S. Mail

Joseph LeMay, Remedial Project Manager US EPA – Region I 1 Congress Street Suite 1100 (HBO) Boston, MA 02114-2023

Re: Operations & Maintenance Summary Monthly Report – November 2007

UniFirst Corporation, Wells G&H Site, Woburn, MA

Dear Mr. LeMay:

On behalf of UniFirst Corporation, I am submitting the report "Source Area & Operable Unit 1, Operations & Maintenance Summary Monthly Report" for the period November 1 through November 30, 2007.

Should you have any questions, please call.

Sincerely.

Timothy M. Cosgrave

Project Manager

TMC:hs enclosure

cc: Jennifer McWeeney, BWSC, DEP

David Sullivan, TRC

Jack Badey, UniFirst

Greg Bibler, Goodwin Procter LLP

Peter Cox, RETEC

Susan Brand, Cummings Properties

Valerie Lane, GeoTrans

Maryellen Johns, Remedium

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Jeff Hamel, Woodward & Curran

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# Source Area & Operable Unit 1 Operations & Maintenance Summary Monthly Report UniFirst Corporation

November 1 – November 30, 2007

Wells G & H Site Woburn, Massachusetts

Prepared for: UniFirst Corporation 68 Jonspin Road Wilmington, Massachusetts 01887-1086

Prepared by:

Harvard Project Services LLC

249 Ayer Road, Suite 206 Harvard, MA 01451-1133

### 1 Introduction

Harvard Project Services (HPS), as Operation and Maintenance Contractor of the groundwater recovery and treatment system (System) at UniFirst Corporation, 15 Olympia Avenue, Woburn, Massachusetts, has prepared this report. The System, which started pumping on September 30, 1992, is part of the ongoing Remedial Action of the Wells G&H Superfund Site in Woburn, Massachusetts. This report describes the groundwater recovery and treatment activities for the period November 1 through November 30, 2007 and identifies future RD/RA activities at the site.

## 2 System Operation & Maintenance

#### 2.1 Maintenance

Activities during the reporting period at the Treatment Plant are summarized in the Maintenance Summary Table.

Date	Activity	Company		
November 6	Routine Site Visit	HPS		
	Monthly Sampling			
November 14	Routine Site Visit	HPS		
November 21	Routine Site Visit	HPS		
November 27	Routine Site Visit	HPS		

**UniFirst Treatment Plant Maintenance Summary** 

## 2.2 Treatment System Process Flow & Pressures

The total monthly flow through the System for the reporting period was 1.58 million gallons. The average flow during this period was approximately 36.5 gallons per minute. The average hourly flow rate in gallons per minute is depicted in Figure 1.

The average hourly carbon pressure at the influent to the primary tank during the month was 7.8 psi. The trend of the carbon system pressure is illustrated in Figure 1. The process flow through the carbon vessels was Tank 2 to Tank 3 to Tank 4.

#### 2.3 Drawdown Elevation in UC22

During the reporting period, the average hourly pumping water level elevation in well UC22 was approximately 9.7. The water level elevations for the month are shown on Figure 1.

# 3 Treatment System Performance

The effectiveness of the treatment system is monitored by monthly sampling and analysis. Analytical samples for routine monitoring were collected on November 6, 2007

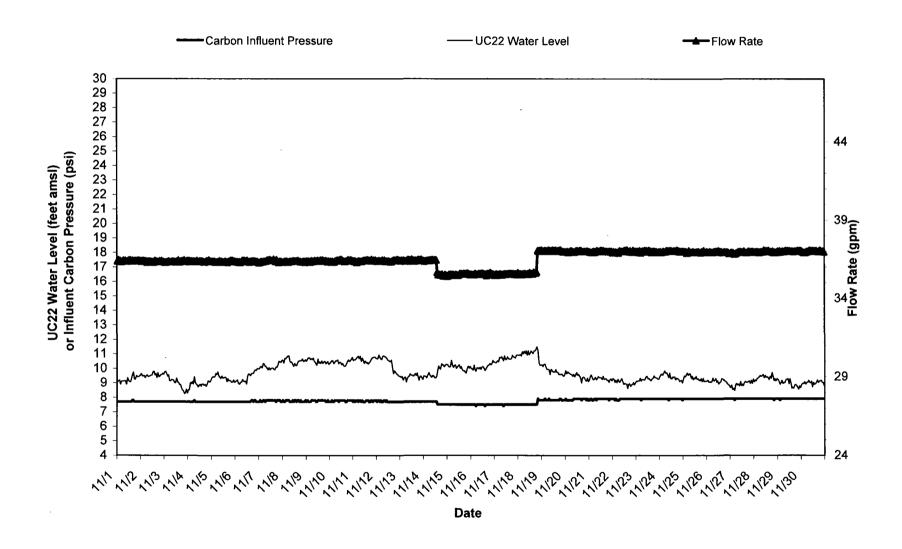
from sample points S1, S5C1, S5C2 and S6. Monthly analytical results are summarized in the attached table, "Water Quality Summary."

## 4 Future Activities

Operation and monitoring of the groundwater extraction and treatment system will continue. Routine monthly samples will be collected on December 4, 2007 and January 2, 2008

UniFirst submitted the annual treatment system report and the annual report to the Court.

Figure 1: November 2007 Operations Data



## **Water Quality Summary**

Groundwater Treatment System UniFirst Corporation Wells G & H Site, Woburn, Massachusetts

Sample Date:	11/6/2007				Method:	8260
Sample Location:	S1, Influent			Ē		
	_			Qualifier		Detection
CAS No.	Compound		Result	<u>ő</u>	Units	Limit
56-23-5	Carbon Tetrachloride		<1.0		µg/L	1.0
75-34-4	1,1-Dichloroethene		<1.0		μg/L "	1.0
127-18-4	Tetrachloroethene		190		μg/L 	5.0
79-01-6	Trichloroethene		21		μg/L	1.0
0540-59-0	1,2-Dichloroethene (total)	•	3		μg/L	2.0
71-55-6	1,1,1-Trichloroethane		2		μg/L	1.0
Sample Date:	11/6/2007				Method:	8260
	S5C1, 1 <sup>st</sup> carbon effluent			_	1770111041	3233
ouripie Location.	ooo i, i oui boii oiii boii			<u>ij</u>		Detection
CAS No.	Compound		Result	Qualifier	Units	Limit
56-23-5	Carbon Tetrachloride		<1.0		μg/L	1.0
75-34-4	1,1-Dichloroethene		<1.0		μg/L	1.0
127-18-4	Tetrachloroethene		18		μg/L	1.0
79-01-6	Trichloroethene		12		μg/L	1.0
0540-59-0	1,2-Dichloroethene (total)		3		μg/L	2.0
71-55-6	1,1,1-Trichloroethane		3		μg/L	1.0
					, -	
Sample Date:	11/6/2007				Method:	8260
Sample Location:	S5C2, 2 <sup>nd</sup> carbon effluent			ā		
				Qualifier		Detection
CAS No.	Compound		Result	<u>ਰ</u>	Units	Limit
56-23-5	Carbon Tetrachloride		<1.0		μg/L	1.0
75-34-4	1,1-Dichloroethene		<1.0		μg/L	1.0
127-18-4	Tetrachloroethene		<1.0		μg/L	1.0
79-01-6	Trichloroethene		<1.0		μg/L	1.0
0540-59-0	1,2-Dichloroethene (total)		3		μg/L	2.0
71-55-6	1,1,1-Trichloroethane		3		μg/L	1.0
Sample Date:	11/6/2007				Method:	524.2
•	S6, final effluent			_	weilou.	324.2
Campic Location.	oo, illiai elliaelle	Discharge		<u>iji</u>		Detection
CAS No.	Compound	Limit	Result	Qualifier	Units	Limit
71-43-2	Benzene	5.0	<0.5		µg/L	0.5
56-23-5	Carbon Tetrachloride	5.0	<0.5		µg/L	0.5
75-34-4	1,1-Dichloroethene	7.0	<0.5		μg/L	0.5
127-18-4	Tetrachloroethene	5.0	<0.5		μg/L	0.5
79-01-6	Trichloroethene	5.0	<0.5		μg/L	0.5
0540-59-0		5.0			P9, -	3.0
00-0-03-0	1.2-Dichloroethene (total)	70 O	<1.0		uo/l	1 0
71-55-6	1,2-Dichloroethene (total)	70.0 Monitor Only	<1.0 0.28 .1		µg/L ug/l	1.0 0.5
71-55-6 7439-92-1	1,2-Dichloroethene (total) 1,1,1-Trichloroethane Lead, total (Method 200.7)	70.0 Monitor Only 10.2	<1.0 0.28 J <0.91		µg/L µg/L µg/L	1.0 0.5 0.9